

35.(New) The medical balloon of claim 33 wherein the proximal waist wall thickness is no thicker than the body wall thickness.

36.(New) The medical balloon of claim 33 wherein the distal waist wall thickness is no thicker than the distal cone wall thickness.

37.(New) The medical balloon of claim 33 wherein the distal waist wall thickness is no thicker than the body wall thickness.

38.(New) The medical balloon of claim 33 wherein the proximal waist wall thickness is no thicker than the distal cone wall thickness.

39.(New) The medical balloon of claim 33 wherein the proximal waist wall thickness and the distal waist wall thickness are each no thicker than the body wall thickness.

40.(New) The medical balloon of claim 33 wherein at least one balloon portion selected from the group consisting of the body portion, the proximal cone portion, the distal cone portion, the proximal waist portion, the distal waist portion and any combination thereof, has had material removed therefrom by grinding.

41.(New) The medical balloon of claim 33 wherein at least one balloon portion selected from the group consisting of the body portion, the proximal cone portion, the distal cone portion, the proximal waist portion, the distal waist portion and any combination thereof, has had material removed therefrom by chemical etching.

42.(New) A medical balloon comprising:

- a body portion having a body wall thickness;
- a proximal cone portion, the proximal cone portion having a proximal cone wall thickness, the proximal cone wall thickness being no thicker than the body wall thickness;
- a proximal waist portion, the proximal waist portion having a proximal waist wall thickness, the proximal waist wall thickness being no thicker than the proximal cone wall thickness;
- a distal cone portion having a distal cone wall thickness, the distal cone wall thickness being no thicker than the body wall thickness; and

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a distal waist portion having a distal waist wall thickness, the distal waist wall thickness being no thicker than the proximal cone wall thickness.

43.(New) The medical balloon of claim 42 wherein the wall thickness of at least one balloon portion selected from the group consisting of the proximal cone portion, the distal cone portion, the proximal waist portion, the distal waist portion, and any combination thereof is less than the body wall thickness.

44.(New) The medical balloon of claim 42 wherein at least one balloon portion selected from the group consisting of the body portion, the proximal cone portion, the distal cone portion, the proximal waist portion, the distal waist portion and any combination thereof, has had material removed therefrom by grinding.

45.(New) The medical balloon of claim 42 wherein at least one balloon portion selected from the group consisting of the body portion, the proximal cone portion, the distal cone portion, the proximal waist portion, the distal waist portion and any combination thereof, has had material removed therefrom by chemical etching.

46.(New) The medical balloon of claim 42 wherein the wall thickness of the body portion, the proximal cone portion, the distal cone portion, the proximal waist portion, and the distal waist portion, are substantially equal.--
